

WHAT IS CLAIMED IS:

1. An extrusion molding apparatus for successively producing a product having a wood pattern with a predetermined sectional shape by feeding a thermoplastic synthetic resin to an extruder and extruding the product through a die installed at an outlet of the extruder, wherein a second inlet is formed at one side of the die to fit a second synthetic resin thereinto, a second extruder which feeds the second synthetic resin is connected to the second inlet, and a second passage communicated with the second inlet of the die is formed to communicate with an original synthetic resin passage formed in the die, thereby coating the second synthetic resin on a surface of the product extruded from the die.

2. The extrusion molding apparatus of claim 1, wherein the second passage of the die is formed to communicate with the original synthetic resin passage so that the whole surface of the product is coated with the second synthetic resin and a sectional area of the second passage is irregularly formed, thereby forming the wood pattern.

3. The extrusion molding apparatus of claim 1, wherein the second synthetic resin fed from the second extruder contains a wood powder of 80~120 meshes at a predetermined

ratio.

4. An extrusion molding method for successively producing a product having a wood pattern with a predetermined sectional shape by feeding a thermoplastic synthetic resin to an extruder and extruding the product through a die installed at an outlet of the extruder, the extrusion molding method comprising the steps of:

forming a second passage in a synthetic resin passage formed in the die to communicate with the synthetic resin passage; and

connecting a second extruder to the second passage so that the second synthetic resin is coated on a surface of the product.

5. The extrusion molding method of claim 4, further comprising the step of forming the second passage to communicate with an original synthetic resin passage so that the whole surface of the product is coated with the second synthetic resin.

6. The extrusion molding method of claim 5, further comprising the step of irregularly forming a sectional area of the second passage so that the second synthetic resin is fed

to each portion of the product at different ratios, thereby forming a wood pattern by the second synthetic resin.

7. The extrusion molding method of claims 4, wherein the
5 second synthetic resin contains a wood powder of 80~120 meshes at a predetermined ratio.

8. A product having a wood pattern characterized in that
a second synthetic resin is formed on an outer surface of the
10 product produced by extrusion molding, at different ratios depending on positions.

9. The product having a wood pattern of claim 8, wherein
the second synthetic resin contains a wood powder of 80~120
15 meshes at a predetermined ratio.

10. An extrusion molding die for a product having a wood
pattern, provided with a thermoplastic synthetic resin and a
synthetic resin passage, the thermoplastic synthetic resin
20 being installed at an outlet of an extruder so that it is to
be fed to the extruder and then extruded in the product having
a predetermined sectional shape such as the synthetic resin
passage, the extrusion molding die characterized in that a
second inlet is formed at one side of the die to fed a second

synthetic resin thereto, and the second inlet is formed to communicate with a second passage communicated with the synthetic resin passage of the die so that the second synthetic resin is coated on a surface of the product extruded
5 from the die.

11. The extrusion molding die of claim 10, wherein the second passage is formed around the second synthetic resin passage so that the whole surface of the product is coated
10 with the second synthetic resin.

12. The extrusion molding die of claim 11, wherein the second passage is formed on the whole surface of the product at a constant interval so that the second synthetic resin of a predetermined ratio passes through the whole surface of the
15 product.

13. The extrusion molding die of claim 11, wherein the second passage includes a ²³retainer communicated with the
20 second inlet at the outmost so that the second synthetic ²¹resin is introduced into the second passage at a constant pressure.

14. The extrusion molding die of claim 13, wherein the second passage includes a ²⁴nozzle passage which is greater than

synthetic resin passage

a sectional area of the second passage but smaller than a sectional area of the retainer, the nozzle having one end communicated with the retainer and the other end communicated with the synthetic resin passage.

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15. The extrusion molding die of claim 14, wherein the retainer and the nozzle passage have a curved section.

16. The extrusion molding die of claim 14, wherein the nozzle passage has a sectional area which is gradually reduced toward the synthetic resin passage.

17. The extrusion molding die of claim 14, wherein the nozzle passage is inclined at a predetermined angle along a flow of the second synthetic resin.

18. The extrusion molding die of claims 10, wherein the second synthetic resin contains a wood powder of 80~120 meshes at a predetermined ratio.

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